BRUHAT BANGALORE MAHANAGARA PALIKE

WEST ZONE

Name of work : Providing bus shelters at Judicial Layout Central Mall opposite and Wheel and Axel of Yelahanka Satellite Town sub Division

Estimated cost Rs 100.00 Lakhs

Sl. No	Description of work	No	Dimensions			Qty	Rate	Unit	Amount
			L	B	D				
1	KSRB 2-2.1 : Earthwork in surface excavation in hard soil for leveling and lowering he ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 (P-7, I-2.2 SR 2018-19)								
	Levelling	5	15.50	4.00	0.30	93.00			
					Total	93.00	263.94	cum	24546.42
	Basic rate	249.00							
	Area weightage @ 6%	14.94							
	Total	263.94							
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either In pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. In depth Including dressing the bottom and sides of pits and trenches. stacking the excavated soil dear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications with al lead and lift and as per the directions of the Engineer incharge . P.7 I. No.2.4 SR 2018-19								
	Foundation	5	11.80	0.60	0.60	21.24			
	footing	15	0.80	0.80	1.20	11.52			
					Total	32.76	475.94	cum	15591.79
	Basic rate	449.00							
	Area weightage @ 6%	26.94							
	Total	475.94							
3	Providing and laying in position plain cement concrete of mix(M10) 1:3:6 with OPC cement 220kgs, with 40mm and down size graded granite metal coarse aggregates ©0.892cum and fine aggregates 0.465cum machine mixed, machine mixed. concrete laid In layers not exceeding 15 cms thick, well compacted in foundation and plinth. cost of all materials, labour, HOM of machinery, curing complete as per specifications, P. `14 I. No.4.2 SR 2018-19								
	Foundation	5	11.80	0.60	0.15	5.31			
	footing	15	0.80	0.80	0.15	1.44			
	shelter flooring	5	12.00	3.85	0.15	34.65			
		5	2.50	4.45	0.15	8.34			
		5	2.35	4.45	0.15	7.84			
					Total	57.59	5764.35	cum	331951.02
	Basic rate	5194.00							
	4.4*55.47	244.07							
	Sub total	5438.07							
	Area weightage @ 6%	326.28							
	Total	5764.35							
4	Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials labour, curing etc., complete as per specifications and direction of the Engineer-in-Charge (P-25 I No. 5.6) SR 2018-19								
		5	11.80	0.45	0.40	10.62			
					Total	10.62	4871.76	cum	51738.05
	Basic rate	4596.00							
	Area weightage @ 6%	275.76							
	Total	4871.76							

	pviding and laying in position reinforced cement concrete of design mix M25 with OPC cement at 320 kgs with 20mm and down size graded granite metal, 0.70 cum and fine aggregate at 0.47 cum with super plasticizer at 3 ltrs confirming to IS 9103 - 1999 re affirmed 2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retainin gwalls, return walls, walls (any thickness) including attached pilasters, colums pillars, posts, struts, buttresse, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing complete but excluding cost of reinforcement as per specfications. Specification No.KBS 4.1, 4.6 P. 15 No. 4.11 SR 2018-19								
	footing	15	0.80	0.80	0.45	4.32			
	pedestal	15	0.60	0.60	0.80	4.32			
	Plinth beam	5	11.80	0.45	0.15	3.98			
					Total	12.62	6353.55	cum	80197.66
	Basic rate	5659.00							
	6.4*55.47	355.01							
	Sub total	6014.01							
	Area weightage @ 6%	339.54							
	Total	6353.55							
6	Providing and removing centering. shuttering. strutting, propping etc., and removal of form work for foundations. footings, bases of columns for mass concrete including cost of all materials. labour complete as per specifications P. No.19 I. No.4.28 SR 2018-19								
	footing	15	3.20		0.45	21.60			
	pedestal	15	2.40		0.80	28.80			
					Total	50.40	273.48	Sqm	13783.39
	Basic rate	258.00							
	Area weightage @ 6%	15.48							
	Total	273.48							
7	Providing mild steel reinforcement for R.C.C work Including straightening, cutting, bending, hooking. placing in position lapping and / or welding wherever required. tying with binding Wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials. labour, HOM of machinery complete as per specifications P. 19 I. No.4.46.2 - do- TMT Fe 500, SR 2018-19								
	Qty item No. 5		12.62	90.00	kg	1136.03			
					Total	1.14	80146.60	Tonne	91048.54
	Basic rate	75610.00							
	Area weightage @ 6%	4536.60							
	Total	**80146.60**							
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.14, Item No.4.6) (SR 2018-19)								
	shelter flooring	5	11.80	3.85	0.10	22.72			
		5	2.50	4.45	0.10	5.56			
		5	2.35	4.45	0.10	5.23			
					Total	33.51	6013.58	cum	201492.38
	Basic rate	5422.00							
	4.8*55.47	266.26							
	Sub total	5688.26							
	Area weightage @ 6%	325.32							
	Total	6013.58							

	pviding and fixing granite floorng in combinatin of 19mm thick (Avg) gang saw water cut LAKARED ranite with 86% and with 14% of 19mm thick (avg) black granite in CM 1:4 proportion with a coat of rough lastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groovesin joints including cost of curing etc., complete including cost and conveyance of all maerials, mortar, labur for all items of work, HOM of equipment etc., complete as per specification P.111 I. No.14.58 (S.R.SR 2018-19)								
	shelter flooring	5	11.80	3.85		227.15			
		5	2.50	4.45		55.63			
		5	2.35	4.45		52.29			
	Basic rate	3474.00			Total	335.06	3682.44	Sqm	1233847.55
	Area weightage @ 6%	208.44							
	Total	3682.44							
10	Fabrication supplying and erecting MS tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape. size. design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting. straightening. placing in position of M.S. pipes and welding wherever necessary and applying one Coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting. welding. grinding and erection equipments. with all lead and lift. transportation, etc.. complete as per specification P . 42 I. No.7.29 SR 2018-19								
	Truss work for bus shelter								
	Qty of steel assumed @ 5 kg / sft for steel columns and truss for bus shelter	25	11.80	5.25	10.76	16664.55			
	Basic rate	111.00			Total	16664.55	117.66	Kgs	1960750.95
	Area weightage @ 6%	6.66							
	Total	117.66							
11	Providing and fixing of Aluminium composite panel fo approved make and colour for wall cladding for curved brick/ RCC/ stone walls & columns/ beams with necessary aluminium fame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwitched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless stell bolts and nuts complete with sring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant necessary rods etc., complete P.39 I. No.7.19 SR 2018-19								
	for bus shelter	10	10.60		5.25	556.50			
	drop cladding	10	10.60		1.20	127.20			
	Basic rate	4400.00			Total	683.70	4664.00	Sqm	3188776.80
	Area weightage @ 6%	264.00							
	Total	4664.00							
12	Providing and fixing stainless steel 304 grade for seating arrangement at bus shelter using 50mm dia 16 guage hollow pipe for verticals at 1 mtr center to centre for seating 25mm dia stainless steel pipe spaced at 0.75m regular intervals, and sides 25mm dia. Stainless steel hollow horizontal pipe 1.2 mtrs depth back rust 40mm dia stainless steel pipe of 0.4 mtr wide 1 mtr centre to centre for seating stainless steel perforated sheet of 1.5mm thick of width 0.45 mtr and for back rest stainless steel perforated sheet of 1.5mm thick are welded. The entire assembly is fixed as per specification etc complete including cost of materials, labour, HOM of machineries and electrical charges etc., complete as per specifications. (aproved data rate)								
		5	10.15			50.75	30000.00	mtrs	1522500.00

ad for earthwork and disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading for earthwork (upto 10 kms) complete with all lead & lift & as per the direction of the Engineer in charges. (P.136, I-17.1. SR 2018-19								
For 10k.m		25.6		25.60				
Loading & unloading				68.00				
				93.60				
Qty same as item No.1					93.00			
Qty same as item No.2					32.76			
				Total	125.76	93.60	cum	11,771.14
							Total Rs.	**87,27,995.74**
							GST @ 12%	**10,47,359.49**
							DPR and PMC Cost Including GST @ 2%	**2,00,000.00**
								24644.77
Miscellaneous and Tender premium charges							**Total Rs.**	**9975355.23**
								10000000.00

CERTIFICATE

1) Certified that have inspected the spot & Prepared the Estimate according to the necessity & site conditions.
2)Certified that the work is not split up.
3) Certified that the estimate is prepared on the basis of kpwd, Bangalore Circle, Bangalore for the year 2018-19 and approved data rate.
4) Certified that Adequate & necessary provisions have been made in the estimate.
5) Certified that the above area comes under BBMP limits

Assistant Engineer

Assistant Executive Engineer
Sub Division , BBMP

Executive Engineer
Yelahanka Division, BBMP

BRUHAT BANGALORE MAHA...

Administrative Approval

Accorded For 100.00 lakhs
Head of A/C P-3740
CER NO : 20 **Dt:** 02.09.2021

Technical Sanction
Accorded For 100.00 lakhs
Head of A/C P3740
CER NO : 42 **Dt:** 02.09.2021

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
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